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BZ Steinberg - Phys Rev E, 2005 - link.aps.org

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J Scheuer - Arxiv preprint physics/0506039, 2005 - arxiv.org

... realization of an ultra-sensitive optical gyroscope [9]. Subsequently, Steinberg studied the effect of rotation in coupled photonic crystal defect cavities [10] ...

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YH Tsang, A F El-Sherif, T A King - Journal of Modern Optics, 2005 - dx.doi.org

... achieved by transmitting ultrashort pico- second or femtosecond pulses in photonic crystal fibres ... In the fibre-optic gyroscope (FOG) it is necessary to have an ...

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JE Feldman, JZ Wilcox, T George, N Bridges, DN ... - 2001 IEEE Aerospace Conference, Big Sky, MT, 2001 - ieeexplore.ieee.org

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WN MacPherson, MJ Gander, R McBride, JDC Jones, PM ... - Optics Communications, 2001 - sinclair.ece.uci.edu
 ... curvature. © 2001 Published by Elsevier Science BV Keywords: Multicore; Photonic;
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... interferometer based on polarization maintaining photonic crystal fiber with reduced temperature ...

DH Kim, JU Kang - Proc. SPIE, 2003 - opticsexpress.org
 ... mode dispersion in photonic crystal holey fiber ... 1st European Symposium on Photonic Crystals, (Warsaw ... De La Rosa: "Fiber Sagnac interferometer temperature sensor ...
 Cited by 4 - [Web Search](#) - [rayscience.com](#) - [opticsexpress.org](#) - [adsabs.harvard.edu](#)

Optically interrogated MEMS pressure sensors for propulsion applications

J Zhou, S Dasgupta, H Kobayashi, JM Wolff, HE ... - Opt. Eng, 2001 - link.aip.org
 ... JM Vaughn, The Fabry-Perot Interferometer—History, Theory ... at high spatial resolution, photonic crystal behavior, and ... for housing the optical fiber and MEMS ...
 Cited by 11 - [Web Search](#) - [adsabs.harvard.edu](#)

Single-Crystal Sapphire Fiber-Based Strain Sensor for High-Temperature Applications

H Xiao, J Deng, G Pickrell, RG May, A Wang - J. Lightwave Technol, 2003 - ieeexplore.ieee.org
 ... sensor based on Fabry-Pérot interferometer," in Tech ... current research interests include photonic sensor networks, optical ... for microdefects, and crystal growth ...
 Cited by 3 - [Web Search](#) - [jlt.osa.org](#) - [ieeexplore.ieee.org](#) - [dx.doi.org](#) - all 5 versions »

Two-Mode Operation in Highly Birefringent Photonic Crystal Fiber

J Ju, W Jin, MS Demokan - IEEE Photonics Technology Letters, 2004 - ieeexplore.ieee.org
 ... A practical two-mode interferometer based on LP ... fibers for two-mode fiber devices,"
 Opt ... 1.3 dB/km) polarization-maintaining photonic crystal fiber," Electron ...
 Cited by 1 - [Web Search](#) - [ieeexplore.ieee.org](#)

... interferometer sensor integrated in a single block of photochromic Fe: Mn: LiNbO₃ crystal

J Li, L Liu, Y Guo, C Zhou - Proceedings of SPIE, 2003 - adsabs.harvard.edu
 ... 4114, p. 221-229, Photonic Devices and Algorithms for ... Fe:Mn:LiNbO₃ photorefractive crystal, we presented a ... changes as one arm of the interferometer is exposed ...
 Cited by 1 - [Web Search](#) - [link.aip.org](#) - [csa.com](#)

Optical voltage sensor based on electrooptic crystal multiplier

C Li, T Yoshino - Journal of Lightwave Technology, 2002 - ieeexplore.ieee.org
 ... JR McDonald, and I. Andonovic, "Optical crystal based devices ... SA Kingsley, and J. Latess, "An integrated photonic Mach-Zehnder interferometer with no ...
 Cited by 2 - [Web Search](#) - [jlt.osa.org](#) - [ieeexplore.ieee.org](#) - [csa.com](#) - all 5 versions »

SiC Thin-Film Fabry-Perot Interferometer for Fiber-Optic Temperature Sensor

L Cheng, AJ Steckl, J Scofield - IEEE TRANSACTIONS ON ELECTRON DEVICES, 2003 - ieeexplore.ieee.org
 ... for the epitaxial growth of single-crystal SiC. ... Using a Thin-Film Fabry-Perot Interferometer," Ph.D ... focused ion beam fabrication of photonic components and ...
 Cited by 1 - [Web Search](#) - [ieeexplore.ieee.org](#)

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